Translation







PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

24 JAN 2005

Applicant's or agent's file reference M/43167-PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day	ate (day/month/year) Priority date (day/month/year)		
PCT/EP2003/008013	22 July 2003 (22.0	7.2003)	23 July 2002 (23.07.2002)	
International Patent Classification (IPC) or national classification and IPC C07D 239/54				
Applicant	BASF AKTIENGESEL	LSCHAFT		
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of 4 sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been 				
amended and are the basis for 70.16 and Section 607 of the	r this report and/or sheets cont Administrative Instructions un	ining rectification	tions made before this Authority (see Rule	
These annexes consist of a to	tal of sheets.			
3. This report contains indications related	ting to the following items:			
I Basis of the report				
II Priority	II Priority			
III Non-establishment o	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of inve	ention			
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited				
VII Certain defects in the	VII Certain defects in the international application			
VIII Certain observations on the international application				
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Date of submission of the demand Date of completion of this report				
30 January 2004 (30.01.2004)		14 O	ctober 2004 (14.10.2004)	
Name and mailing address of the IPEA/EP		Authorized officer		
Facsimile No.		Telephone No.		

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- 1		
	Internat	pplication No.
	PCT/I	EP2003/008013

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1.	. With	regard to	rd to the elements of the international application:*	
		the inte	international application as originally filed	
	\boxtimes	the des	description:	
		pages	es1-66	, as originally filed
		pages	es	, filed with the demand
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	These	the lang the lang	language of a translation furnished for the purposes of international search (under language of publication of the international application (under Rule 48.3(b)). language of the translation furnished for the purposes of international preliming	
3.	With prelin	regard minary ex contain filed to furnish furnish The sta internat The sta been fu	and to any nucleotide and/or amino acid sequence disclosed in the interpretation was carried out on the basis of the sequence listing: tained in the international application in written form. It together with the international application in computer readable form. It is a subsequently to this Authority in written form. It is statement that the subsequently furnished written sequence listing does reational application as filed has been furnished. It is to any nucleotide and/or amino acid sequence listing: The interpretation is identified to any nucleotide and in the international application as filed has been furnished.	not go beyond the disclosure in the
4.			amendments have resulted in the cancellation of: the description, pages the claims, Nos the drawings, sheets/fig report has been established as if (some of) the amendments had not been made,	since they have been considered to go
5.	Repla	beyond i cement s	nd the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** nt sheets which have been furnished to the receiving Office in response to an import as "originally filed" and are not annexed to this report since they do	vitation under Article 14 are referred to
	ana /	<i>0.17)</i> .		
**.	Any re	eplaceme	ement sheet containing such amendments must be referred to under item 1 and an	mexed to this report.

INTERNATIONAL PRELIP

ARY EXAMINATION REPORT

Internal	application No.
PCT,_P	03/08013

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;

i.	Statement			
	Novelty (N)	Claims	1-20	YES
		Claims		NO
	Inventive step (IS)	Claims	1-20	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-20	YES
		Claims		NO NO

Citations and explanations

The following documents are considered to represent relevant prior art:

- (A) WO 9206962
- (B) WO 0183459
- (C) WO 9828280
- (D) WO 03029226

This report will not at present take document (D) into further consideration since it was published after the priority date of the present application.

Novelty (PCT Article 33(2))

The present application is considered to concern a novel selection of the disclosure in document (A). Owing to the specific phenyl substituents, the claimed herbicides additionally appear to be novel with respect to (B) and (C).

Inventive step (PCT Article 33(3))

The problem addressed by the present application is considered to be that of preparing further heterocyclic herbicides.

Documents (A) to (C) each disclose heterocyclic herbicides; each of the three documents could be considered the closest prior art. They recommend as the molecule centre a phenyl ring which, in the relative meta position, carries a nitrogenous heterocyclic ring, such as a uracil or pyrazole ring, for example, and a carboxyl derivative to the person skilled in the art seeking further herbicidal compounds. The special carboxamide substituents of the present application display an unexpected improvement of the herbicidal effect with respect to the compounds in document (B), as the test reports of 20 July 2004 demonstrate. Inventive step within the meaning of PCT Article 33(3) can therefore be recognized for all the compounds that solve the problem of interest.